

福建苔草属新分类群

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NEW TAXA OF CAREX LINN. FROM FUJIAN

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关键词 苔草属; 细穗苔草; 上杭苔草; 武夷山苔草; 福建

1 细穗苔草 新种 图 1

Carex tenuispicula T. Tang in herb., sp. nov. (Sect. Lageniformes (Ohwi) Nelmes).

Species proxima *C. truncatiglumae* C. B. Clarke, a qua culmo fere nullo, spicula terminali mascula femineam superanti, pedunculis spiculae femineae gracilibus, 4~10 cm longis, utriculorum rostris pubescentibus, nuce collo brevior 0.2 mm longo differt.

Herba perennis. Rhizoma valde breve lignosum. Culmus fere nullus, lateralis, basi vaginis atro-brunneis in fibras solutis obtectus. Folia 12~40 cm longa, 2~3 mm lata, plana, viridia, marginibus scabra, apice acuminata. Spiculae 5~6, subradicales, terminalis masculina femineam superans, anguste linearis, 3~4 cm longa, laterales femineae 4~5, anguste cylindricae, 1~4 cm longae, pedunculis (spicula summa feminea excepta) erectis, gracilibus, 4~10 cm longis. Squamae femineae lata ovatae, 1.2~1.5 mm longae, ca. 1 mm latae, membranaceae, fulvae, marginibus albo-hyalinae, viridi-carinatae, apice ciliatae-rotundatae. Utriculi squamis longiores, fusiformes, trigoni, 2.5 mm longi, 0.7~0.8 mm lati, fulvi, membranacei, conspicue manifesteque multinerves, apice in rostrum pubescens ore truncato sensim attenuati. Nux arcte inclusa, fusiformis, trigona, lateribus concava, fulva, apice in collum breve cylindricum, 0.2 mm longum, flavidum producta. Stylus basi aequalis. Stigmata 3.

Fujian (福建): Ningyang (宁洋), alt. 450m. scrubin valley, 1932-12-01, Y. Ling (林 鉴) 4689 (holotype, PE).

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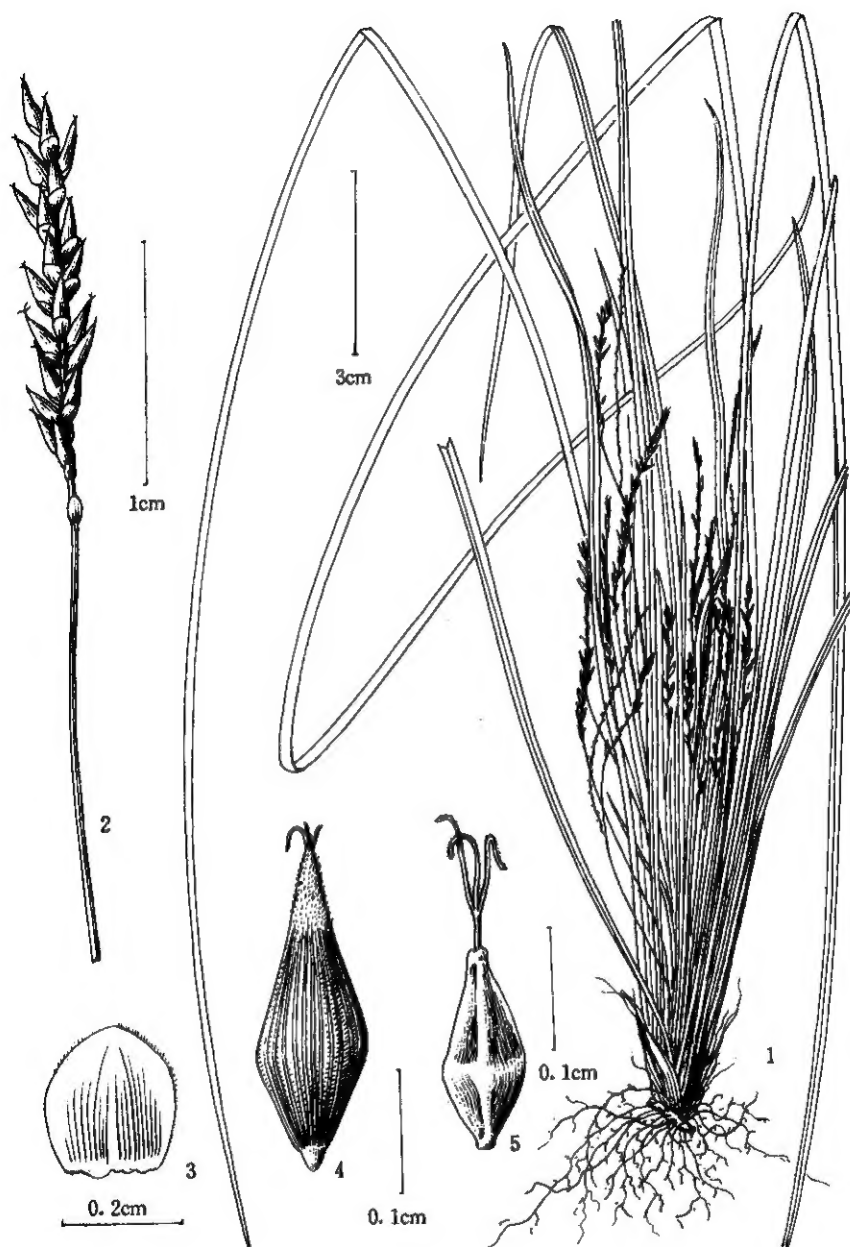


图1 细穗苔草 1. 植株; 2. 雌小穗; 3. 鳞片; 4. 果囊; 5. 小坚果。(刘春荣绘、冀朝楨上墨)

Fig. 1 *Carex tenuispicula* T. Tang 1. plant; 2. pistillate spikelet; 3. scale; 4. utricle; 5. nut.

多年生草本。根状茎极短，木质。秆几缺如，侧生，基部叶鞘分裂成纤维状，暗棕色。叶长12~40 cm，宽2~3 mm，扁平，绿色，边缘粗糙，先端渐尖。小穗5~6，近基生，顶生小穗雄性，细条形，长3~4 cm，超出雌小穗，侧生小穗 雌性，4~5，窄圆柱形，长1~4 cm，穗梗(除顶上的一个雌小穗以外)直立，纤细，长4~10 cm；雌花鳞片宽卵形，长1.2~1.5 mm，宽约1 mm，膜质，淡褐色，边缘白色膜质，具绿色的龙骨状突起，顶端

圆,具缘毛。果囊长于鳞片,纺锤形,三棱状,长2.5 mm,宽0.7~0.8 mm,淡褐色,膜质,多脉,明显隆起,先端渐狭成喙,喙被毛,喙口平。小坚果紧包于果囊中,纺锤形,有三棱,棱面凹,褐色,先端延伸成颈,圆柱形,颈较短,长约0.2 mm,淡黄色,花柱基不膨大,柱头3。

本种与截鳞苔草 *C. truncatigluma* C. B. Clarke 相近,不同在于秆几缺如。顶生雄小穗超出雌小穗;雌小穗梗细长,长4~10 cm;果囊喙被毛;小坚果的颈较短,长约0.2 mm,易于区别。

2 上杭苔草 新种 图2

Carex shanghangensis S. Y. Liang, sp. nov. (Sect. *Mitratae* Kükenth.).

Species affinis *C. pisiformis* Boott, a qua culmo centrali, spiculis 2, terminali masculina clavata 7~10 mm longa, laterali oblongo-ovata vel subglobosa; utriculis ovato-lanceolatis differt.

Herba perennis. Rhizoma breve. Culmus centralis 15~40 cm altus, gracilis, triqueter, basi vaginis atrobrunneis in fibras solutis obtectus. Folia culmum superantia, 1~2 mm lata, coriacea, marginibus scabra revolutaque, ad apicem sensim attenuata. Spiculæ 2, terminalis masculina, clavata, 7~10 mm longa, flavida pedunculata, pedunculo 5~12 mm longo; lateralis androgyna oblongo-ovata vel subglobosa, 7~12 mm longa, 5~8 mm lata, densiflora, subsessilis. Bractea setacea 2.5~3 cm longa, breviter vaginans, vagina 1.5 mm longa, Squamæ femineae oblongae, 2 mm longae, 1 mm latae, flavescentes, dorso costa prominenti, apice obtusae, Utriculi squamis longiores, ovato-lanceolati, 3.5~3.8 mm longi, membranacei, straminei, dense pubescentes, multinerves, apice in rostrum bidentatum sensim attenuati. Nux oblonga, trigona, castanea. Stylus basi incrassatus. Stigmata 3.

Fujian(福建): Shanghang(上杭), alt. 600 m. in forest, 1987-08-02, H. B. Chen (陈恒彬) 1315 (holotype, FJSI); Lian cheng(连城), alt. 900 m, in forest, 1985-08-07, H. B. Chen 695.

多年生草本。根状茎短。秆中生,高15~40 cm,纤细,三棱形,基部叶鞘分裂成纤维状,暗棕色。叶长于秆,宽1~2 mm,草质,边缘粗糙并反卷,先端渐狭。小穗2,顶生的雄性,棒状,长7~10 mm,淡黄色,穗梗长5~12 mm,侧生的为雄雌顺序,矩圆状卵形或近球形,长7~12 mm,宽5~8 mm,密花,近无穗梗。苞片刚毛状,长2.5~3 cm,具短鞘,鞘长1.5 mm;雌花鳞片矩圆形,长2 mm,宽1 mm,淡黄色,背部中脉隆起,顶端钝;果囊长于鳞片,卵状披针形,长3.5~3.8 mm,膜质,禾秆黄色,密被毛,多脉,顶端渐狭成喙,具2齿。小坚果矩圆形,三棱状,栗色,花柱基部膨大,柱头3。

本种与 *C. pisiformis* Boott 相近,但其秆中生,小穗2,顶生雄小穗棒状,长7~10 mm,侧生小穗矩圆状卵形或近球形;果囊卵状披针形显著不同。

3 武夷山苔草 新种 图3

Carex wuyishanensis S. Y. Liang, sp. nov. (Sect. *Careyanæ* Tuckerm.)

Species affinis *C. grandiligulatae* Kükenth., sed spiculis 10, 2~5 cm longis.

pedunculis 3~10 cm longis gracilibus leviter pendentibus differt.

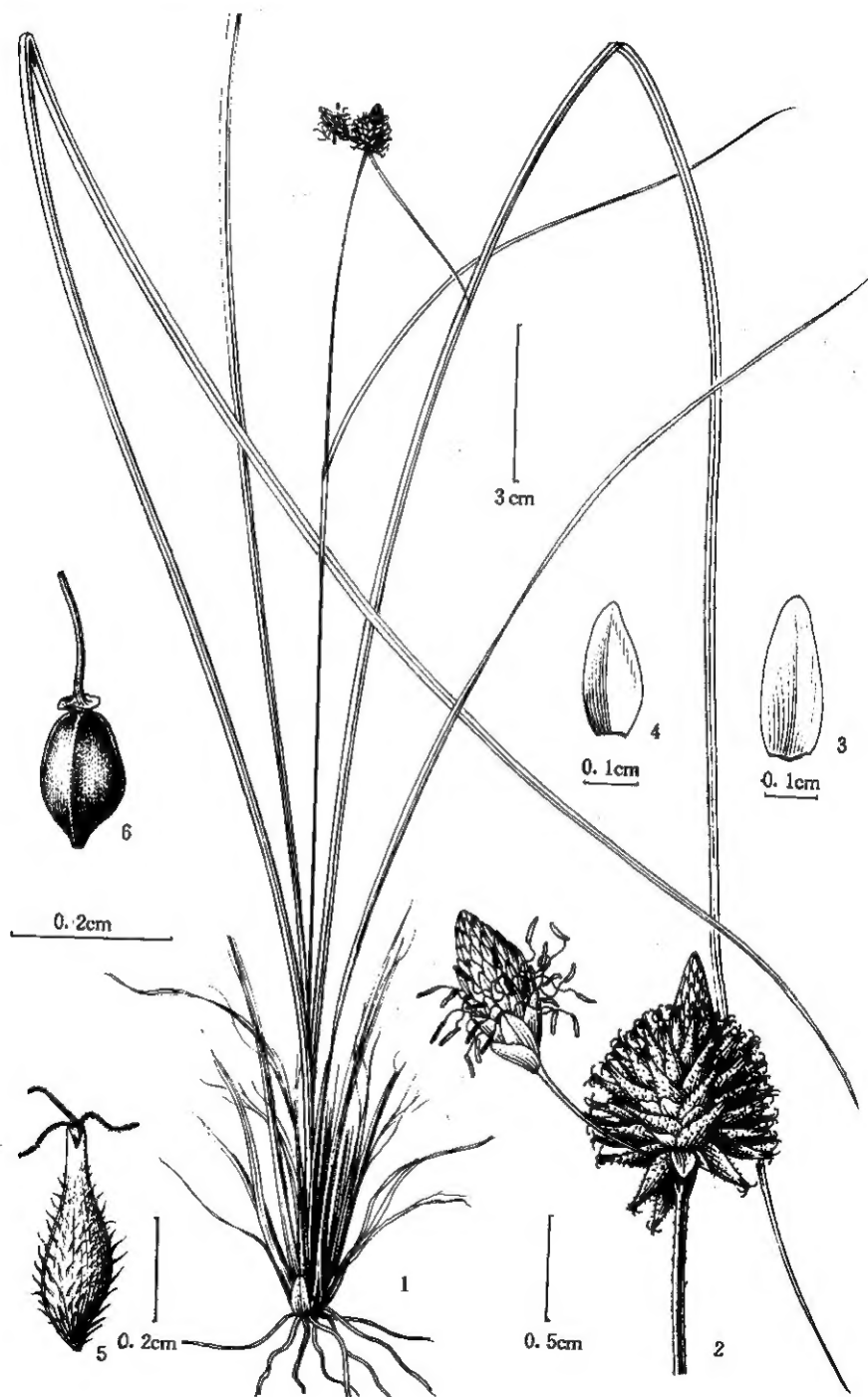


图2 上杭苔草 1. 植株; 2. 花序; 3. 雄花鳞片; 4. 雌花鳞片; 5. 果囊; 6. 小坚果。(冀朝桢绘)

Fig. 2 *Carex shanghangensis* S. Y. Liang 1. plant; 2. inflorescence; 3. staminate scale;

4. pistillate scale; 5. utricle; 6. nut.

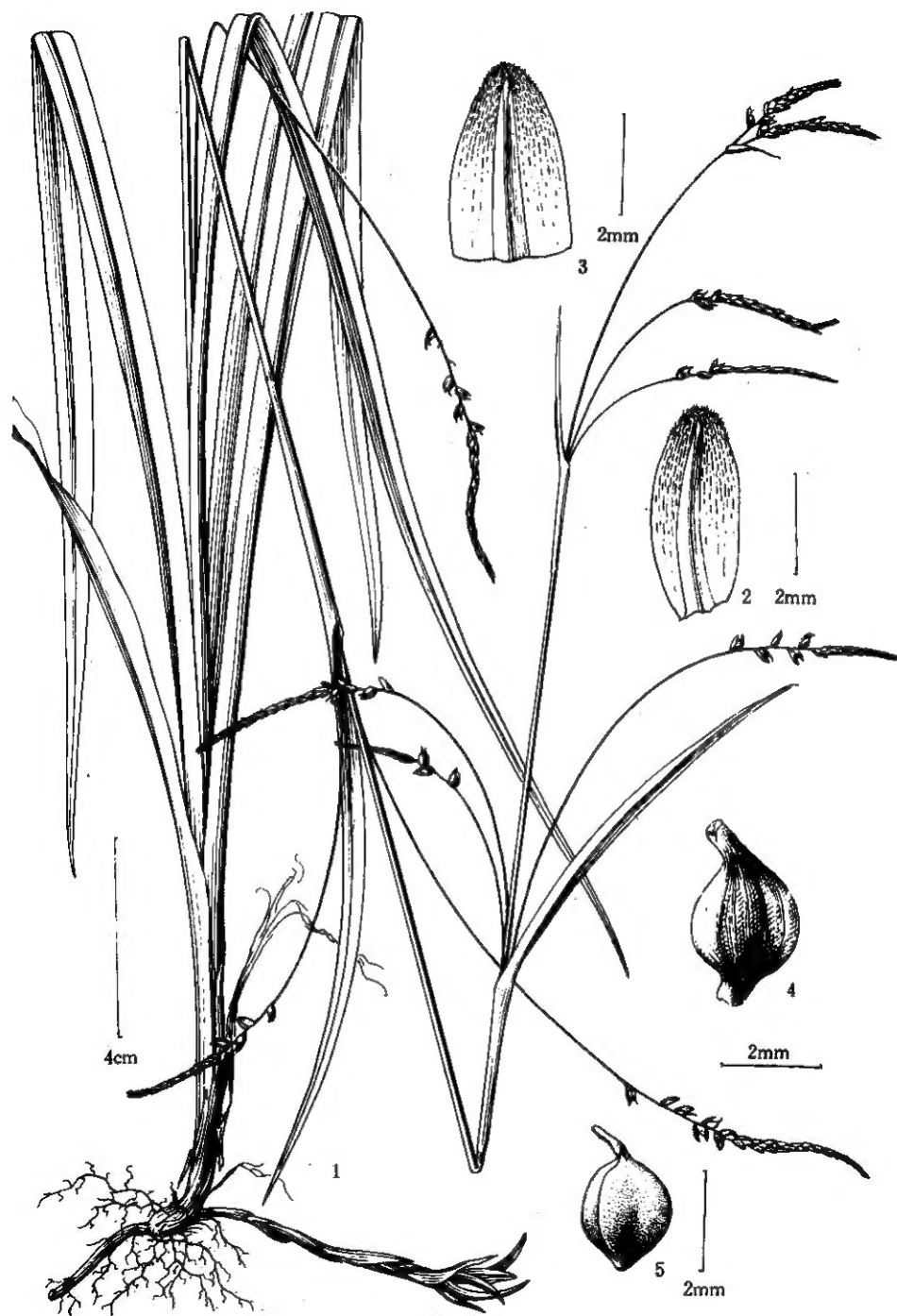


图3 武夷山苔草 1. 植株; 2. 雄花鳞片; 3. 雌花鳞片; 4. 果囊; 5. 小坚果。(黄朔桢绘)

Fig. 3 *Carex wuyishanensis* S. Y. Liang 1. plant; 2. staminate scale; 3. pistillate scale; 4. utricle; 5. nut.

Herba perennis. Rhizoma stolones longos emittens. Culmus 50 ~ 65 cm altus, centralis, triqueter, laevis. Folia culmo breviora, 5~7 mm lata, plana, viridia, marginibus superioribus scabra, apice acuminata, vaginis basalibus membranacis. Spiculae 10, androgynae (partes masculae partibus femineis fere aequilongae) anguste cylindricae, 2~5 cm longae, laxiflorae, pedunculis 3~10 cm longis, gracilibus, leviter pendentibus. Bracteae foliaceae, longe vaginantes spiculis breviores. Squamae femineae oblongo-ovatae, 3 mm longae, 2 mm latae, fulvae, striis ferrugineis brevibus multis, dorso viridi-trinerves, apice ciliato-rotundatae. Utriculi ovati, trigoni, 3 mm longi, ca. 1.5 mm lati, virides, membranacei, nervis conspicue prominentibus multis, basi in stipitem abrupte contracti, apice in rostrum 0.5 mm longum leviter obliquum ore dorso emarginatum abrupte contracti. Rhacheola 1.5 mm longa. Nux arcte inclusa, ovata, trigona, 2 mm longa, 2 mm lata, fulva. Stylus basi aequalis. Stigmata 3.

Fujian(福建): Chongan(崇安), Wuyi Mt. (武夷山), alt. 1000 m, grassland, 1955-04-21, M. J. Wang (王名金) 3387 (holotype, PE).

多年生草本。具长匍匐根状茎。秆高 50~65 cm, 中生, 三棱形, 平滑。叶短于秆, 宽 5~7 mm, 扁平, 绿色, 上部边缘粗糙, 先端渐尖, 基部叶鞘膜质。小穗 10, 雄雌顺序(雄花部分与雌花部分几乎等长), 窄圆柱形, 长 2~5 cm, 疏花, 穗梗长 3~10 cm, 纤细, 稍下垂, 苞片叶状, 具长鞘, 短于小穗。雌花鳞片矩圆状卵形, 长 3 mm, 宽 2 mm, 褐色, 具多数锈色短条纹, 中间 3 脉绿色, 顶端圆形, 具缘毛。果囊卵形, 三棱状, 长 3 mm, 宽约 1.5 mm, 绿色, 膜质, 多脉, 脉明显隆起, 基部突然收缩成柄, 先端骤然收缩成喙, 喙长 0.5 mm, 稍斜, 喙口背面微凹, 具退化小穗轴, 长约 1.5 mm。小坚果紧包于果囊中, 卵形, 有三棱, 长 2 mm, 宽 2 mm, 黄褐色, 花柱基不膨大, 柱头 3。

本种与 *C. grandiligulata* Kükenth. 相近, 但小穗 10, 长 2~5 cm, 具长穗梗, 纤细, 稍下垂极易区别。